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June 02, 2015

The Honorable Board of Supervisors  
County of Los Angeles  
383 Kenneth Hahn Hall of Administration  
500 West Temple Street  
Los Angeles, California 90012

Dear Supervisors:

**AUTHORIZE THE CHIEF INFORMATION OFFICER TO  
EXECUTE A WORK ORDER FOR CONSULTING SERVICES FOR THE  
ENTERPRISE PATIENT DATA REPOSITORY PROJECT  
(ALL DISTRICTS) (3 VOTES)**

**SUBJECT**

Request Board approval to delegate authority to the Chief Information Officer to execute a Work Order with Oracle America, Inc., for consulting services to support the Enterprise Patient Data Repository Project for the Department of Health Services.

**IT IS RECOMMENDED THAT THE BOARD:**

Approve and delegate authority to the Chief Information Officer (CIO), at the request of the Director of Department of Health Services (DHS), to execute a Work Order (WO) for consulting services under the CIO's Master Services Agreement (MSA) No. 76043 with Oracle America, Inc. (Oracle), effective upon execution for a period of one year, and any necessary subsequent Change Orders, for the Enterprise Patient Data Repository (EPDR) project at a maximum amount not to exceed \$2,204,319 for WO's over \$300,000 requiring Board approval in accordance with the Oracle MSA guidelines.

**ADOPTED**

BOARD OF SUPERVISORS  
COUNTY OF LOS ANGELES

26 OF JUNE 2, 2015

PATRICK OGAWA  
ACTING EXECUTIVE OFFICER

## **PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION**

### Background

DHS developed the EPDR to accommodate significant changes resulting from both the new payment methodology under the current 1115 Waiver (Waiver), and provisions of the Affordable Care Act (ACA) that impact DHS. New cost reporting requirements were imposed on DHS under the Waiver beginning January 1, 2014. Existing DHS data systems did not have the capability to comply with the new reporting requirements. Implementation of the EPDR provides the detailed data necessary to allow the Department to claim and maximize available Waiver revenues.

The EPDR Project, comprised of two phases, utilizes specialized software and professional services purchased through existing County agreements with software vendors obtained through fixed price deliverable WO's under the CIO's MSA with Oracle. Phase I of the EPDR Project, completed in April 2015, produced a functional database that addresses the financial reporting requirements under the Waiver. Phase II will build on Phase I and includes clinical data, such as laboratory test results and pharmaceuticals dispensed, provider empanelment assignments, clinic scheduling information, and productivity metrics.

### Recommendation

Approval of the recommended action will enable DHS to obtain professional services on a time/materials basis, as outlined in the attached WO Statement of Services, in order to provide the following critically needed specialized services: knowledge transfer required to maintain a stable EPDR; and expertise in the Extraction, Transformation, and Loading (ETL) of additional data sources beyond EPDR Phases I and II.

The EPDR is a very large and complex system requiring multiple specialized skill sets, in order to maintain end-user functionality and reliable availability. With entry level training acquired from EPDR Phase I implementation, advanced operational training is required to achieve a high-level of familiarity with the underlying software. The advanced training will bring us into an operational state of readiness, which capitalizes on the initial strategy through the design and development phases of the EPDR Phase I goals. These specialized skill sets directly correlate to the following software:

- Oracle WebLogic Server 11g
- Oracle Database 11g
- Oracle Service-Oriented Architecture Suite 11g
- Oracle Healthcare Analytics Data Integration
- Oracle Healthcare Data Warehouse Foundation
- Oracle Healthcare Adapter
- JAVA Enterprise
- Oracle Enterprise Manager v.12c

These components require routine configuration, in order to produce an efficient and reliable EPDR. The EPDR is currently receiving data from multiple disparate systems. Some of the resulting files are extremely complex. The situation of having both a complex application and disparate data sources, exponentially increases the risk in successfully interpreting data in an automated system. DHS requires assistance in establishing standard operating procedures that enables County workforce to take responsibility of the EPDR's long-term stewardship.

During the term of the WO, Oracle will provide specialized skill sets to assist DHS in the load

process of Cactus Physician Credentialing and American Insurance Administrators (AIA) data sources. Specialized consulting will perform:

- Data profiling;
- Data extraction;
- Data transformation;
- Loading process into the Healthcare Data Interface Tables via Oracle Healthcare Adapter Data Integrator (OHADI); and
- Programming of business rules to populate the DHS Healthcare Clinical Datamart.

Pursuant to the recommended WO, Oracle will provide professional services that provides additional knowledge transfer to DHS staff. Additionally, this WO is recommended in light of resource shortfalls due to competing priorities and projects.

### **Implementation of Strategic Plan Goals**

The recommended action supports Goal 1, Operational Effectiveness/Fiscal Sustainability, of the County's Strategic Plan.

### **FISCAL IMPACT/FINANCING**

Based on the Oracle proposal, the cost for this WO is \$2,204,319. Payment will be on a time/materials basis as requested and approved by DHS. Funding is included in DHS' Fiscal Year 2014-15 Final Budget and ongoing in the subsequent fiscal year as needed.

### **FACTS AND PROVISIONS/LEGAL REQUIREMENTS**

The Oracle MSA approved by the Board enables departments to utilize WO's for consulting services, employee training, design, and expertise in the use and implementation of Oracle technology. As required by the Board's Directive, WO's over \$300,000, to be issued under the County's MSA, are submitted for Board approval.

Based on the recommended WO, Oracle will be responsible for providing professional services on an as-needed basis upon DHS' request.

The MSA establishes the negotiated terms and conditions under which Oracle services will be acquired, including: i) WO warranties with a warranty period on each deliverable for 90 days; ii) other protective warranties; and iii) limitation of liability equal to the fees paid under each individual WO. The limitation of liability does not apply to the MSA indemnification and intellectual property provisions.

### **IMPACT ON CURRENT SERVICES (OR PROJECTS)**

Approval of this recommendation will ensure that DHS can acquire the resources necessary to effectively support the EPDR to enable Waiver cost reporting and position the County to successfully implement the ACA.

Respectfully submitted,

Handwritten signature of Mitchell H. Katz in black ink.

Mitchell H. Katz, M.D.

Director

Handwritten signature of Richard Sanchez in black ink.

RICHARD SANCHEZ

Chief Information Officer

MHK:RC:kh

c: Chief Executive Office  
County Counsel  
Executive Office, Board of Supervisors